

Approved For Release 2003/12/22 : CIA-RDP78B05703A000300110007-4

FROM	Applied Photo Science Division, TSSG			DATE
				10 June 1970
TO	INITIALS	DATE	REMARKS	
DIRECTOR	4	ALL 6/30	1-2 FYI	
DEP/DIRECTOR	3	6/23	Report from [redacted] on the SA-5 measurement problem	
EXEC/DIRECTOR	[initials]	6/11		
SPECIAL ASST	1	ALL 6/23	SA-5	
ASST TO DIR	5	ALL 6/23		
ASST TO DEP/DIR	[initials]			
CH/PPBS				
DEP CH/PPBS				
EO/PPBS				
CH/IEG			→ AEM:	
DEP CH/IEG			I'd like to talk to all these guys	
EO/IEG			plus [redacted]	
CH/PSG			early next week.	
DEP CH/PSG				
EO/PSG				
CH/TSSG				
DEP CH/TSSG				
EO/TSSG				
CH/SSD/TSSG				
PERSONNEL				
LOGISTICS				
TRAINING				
RECORDS MGT				
SECURITY				
FINANCE				
DIR/IAS/DDI				
CH/DIAXX-4				
CH/DIAAP-9				

Approved For Release 2003/12/22 : CIA-RDP78B05703A000300110007-4

Declass Review by NIMA/DOD

Approved For Release 2003/12/22 : CIA-RDP78B05703A000300110007-4

AEM

Stony Mt. file

Approved For Release 2003/12/22 : CIA-RDP78B05703A000300110007-4

~~SECRET~~

Approved For Release 2003/12/22 : CIA-RDP78B05703A000300110007-4
Meeting: 1

TSSG/APSD-061/70
10 June 1970

MEMORANDUM FOR: Executive Director, NPIC *H*

SUBJECT: Meeting with [redacted] OSI,
on 8 June 1970

25X1 1. The following personnel attended an impromptu meeting in [redacted] office (4G01) at Headquarters:

[redacted] TSSG/APSD - Photogrammetrist.

Knowledgeable of the [redacted] math model and of most Center work in error propagation.

25X1 [redacted] TSSG/APSD - Photo Scientist.

Knowledgeable in microdensitometry, special target displays and of image enhancement techniques.

25X1 [redacted] - TSSG/APSD - Photo Scientist.

Knowledgeable of the [redacted] hardware, reproduction emulsions and color films.

25X1 [redacted] - IEG/PHD - Photogrammetrist.

Knowledgeable in mensuration, use of ground truth and in human factor problems inherent in mensuration.

25X1 [redacted] - CIA/IAS - Photo Interpreter.

Thoroughly familiar with [redacted] requirement.

25X1 [redacted] - IEG/MSD - Photo Interpreter.

25X1 Familiar with [redacted] requirement.

GROUP 1
Excluded from automatic
downgrading and
declassification

Approved For Release 2003/12/22 : CIA-RDP78B05703A000300110007-4

~~SECRET~~

~~SECRET~~

TSSG/APSD-061/70

25X1

SUBJECT: Meeting with [redacted] OSI, on
8 June 1970

2. Discussions centered around whether specially devised CORN-type ground truth target arrays would provide information on threshold cut-offs below which accurate measurements could not be provided. The overriding fact concerning the inability to produce more accurate measurements, is that the major contributor to the variance in measuring the diameter of a specific small object is the human error occurring in lining up the crosshairs of a comparator with the edge of the object. Until this error is better understood, there is little probability that NPIC can further refine the figures presented to [redacted]. Comments also included the possibility of using color films, the effects of color correcting the lens, the possible use of microdensitometry, image enhancement techniques, and the problems of measuring very small images. The NPIC personnel cautioned [redacted] on the difficulties of obtaining coverage of specific ground truth targets displayed for [redacted] acquisitions. The probability is that many targets would have to be provided for display, and be covered on several missions. The "Drum" Study was alluded to and the difficulties in acquiring good coverage was surfaced. The proposed targets and consequent acquisition could be extremely expensive and would probably not provide any greater measurement accuracy, since the mensurationist's pointing errors would still remain the major contributor to measurement variance of objects in the size range necessary to answer requirements similar to [redacted]

25X1

3. No conclusions were actually documented at the meeting other than the fact that the dimensions initially provided [redacted] are the best NPIC and CIA/IAS can do at the present time. The NPIC participants are of the opinion that little can be gained by following through on the ground truth target display suggested by [redacted]. The expense of designing, displaying and acquiring sufficient

~~SECRET~~

SECRET

TSSG/APSD-061/70

25X1

SUBJECT: Meeting with [redacted] OSI, on
8 June 1970

coverage of such targets may be prohibitive - and would not solve the initial problem of the mensurationist not being able to accurately determine where the edge of an object lies.

[redacted]
Deputy Chief
Applied Photo Science Division
TSSG/NPIC

Distribution:

Orig - Addressee
1 - NPIC/TSSG
1 - NPIC/TSSG/APSD

I- IEG

I- IAS

SECRET